

LITTLE COLORADO RIVER BASIN

09390500 SHOW LOW CREEK NEAR LAKESIDE, AZ

LOCATION--Lat 34°10'46", long 109°59'14", in SW_{1/4}NW_{1/4} sec. 14, T.9 N., R.22 E., Navajo County, Hydrologic Unit 15020005, on left bank 1 mi upstream from pumping plant on Show Low Lake, 1.9 mi northwest of Lakeside, 2.2 mi upstream from Jacques Dam, and 6 mi southeast of Show Low.

DRAINAGE AREA--68.6 mi².

PERIOD OF RECORD--May 1953 to current year.

REVISED RECORDS--WSP 1513: 1954-56. WSP 1926: Drainage area. WDR AZ-71-1: 1970(M).

GAGE--Water-stage recorder and concrete-dam control with V-notch sharp-crested weir. Elevation of gage is 6,610 ft above sea level, from topographic map.

REMARKS--Records fair except for estimated daily discharges, which are poor. Record shows inflow to Show Low Lake. Flow partly regulated by several small reservoirs, largest of which are Rainbow Lake and Scott Reservoir, combined capacity, 2,400 acre-ft. Diversions for irrigation of about 250 acres above station.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 5,550 ft³/s Dec. 18, 1978, gage height, 9.16 ft, from rating curve extended above 2,500 ft³/s; maximum gage height, 9.53 ft Dec. 26, 1971; no flow Oct. 5, 6, Dec. 10-19, 1964, Jan. 4-15, 1970.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 100 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 17	0830	*120	*3.18

Minimum daily discharge, 0.11 ft³/s, Sept. 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.93	0.80	1.9	1.1	0.33	1.9	5.9	1.0	1.3	1.4	6.6	6.6
2	0.83	1.0	1.2	0.64	0.32	1.9	4.9	1.0	1.5	1.0	6.5	6.5
3	0.73	1.0	3.4	0.58	0.26	1.9	4.7	1.0	1.3	0.90	6.5	6.9
4	0.70	0.90	2.5	0.57	0.27	2.4	4.1	0.94	1.1	0.80	5.3	7.4
5	0.64	0.96	2.0	0.57	0.29	3.7	4.0	0.84	1.2	0.83	5.0	7.5
6	0.73	0.75	1.8	0.58	0.30	5.9	3.4	0.72	0.88	0.72	4.6	7.4
7	0.53	0.62	1.7	0.59	0.30	12	3.2	0.68	1.1	0.82	3.8	4.8
8	0.42	0.64	1.6	0.58	0.31	21	3.1	0.62	1.3	0.93	4.9	2.6
9	0.40	0.66	1.5	e1.7	0.38	40	3.0	0.61	1.0	0.91	3.4	2.4
10	0.34	1.7	1.5	e1.1	0.41	53	3.0	0.57	4.8	0.43	2.8	2.7
11	0.32	1.0	1.4	e0.78	0.38	52	3.0	0.57	6.6	2.1	2.4	1.4
12	0.32	0.68	1.4	e0.56	0.39	42	2.8	0.61	5.9	4.0	3.0	0.70
13	0.31	0.74	1.4	e0.50	0.58	32	2.6	0.70	5.8	5.4	4.1	0.37
14	0.28	0.78	1.4	e0.48	6.5	21	2.4	0.95	5.6	5.5	5.4	0.19
15	0.27	0.73	1.4	e0.47	20	10	3.6	1.5	5.6	5.6	7.4	0.12
16	0.27	0.70	1.4	e0.47	9.0	12	4.0	1.5	5.4	4.0	8.0	0.11
17	0.24	0.74	1.5	0.46	3.9	115	3.1	1.3	5.7	3.5	6.4	e0.63
18	0.25	0.78	1.8	0.45	2.4	82	2.9	1.2	5.9	3.6	6.6	1.8
19	0.44	0.76	1.4	0.42	1.8	57	2.7	1.0	6.1	5.0	8.6	1.8
20	0.50	0.68	1.3	0.42	1.4	51	2.7	1.1	6.1	4.3	8.2	1.9
21	0.50	0.64	1.2	0.68	1.1	79	2.7	1.2	5.8	4.1	7.7	1.8
22	0.49	0.66	1.1	0.69	0.92	76	2.5	1.3	5.8	4.6	8.1	1.5
23	0.84	0.91	1.1	0.58	0.75	90	2.3	2.0	5.1	4.7	9.9	1.1
24	0.78	1.0	1.2	0.50	0.63	71	2.1	3.5	1.5	4.1	9.4	1.4
25	0.78	1.2	1.1	0.46	0.57	44	1.8	2.7	0.87	3.9	10	3.1
26	0.79	1.2	1.1	0.43	1.1	27	1.9	1.5	0.84	4.6	7.2	2.9
27	0.92	1.6	1.1	0.40	1.5	22	1.5	0.72	1.0	4.4	8.4	2.5
28	0.90	1.5	1.1	0.38	1.7	16	1.1	0.87	1.2	4.5	7.9	2.6
29	0.88	1.8	1.2	0.37	---	12	1.00	1.4	1.5	4.9	7.2	2.7
30	0.88	1.9	1.3	0.35	---	9.7	0.96	1.1	1.2	8.2	8.5	2.3
31	0.83	---	1.2	0.34	---	8.2	---	1.3	---	7.8	8.0	---
TOTAL	18.04	29.03	46.2	18.20	57.79	1072.6	86.96	36.00	98.99	107.54	201.8	85.72
MEAN	0.58	0.97	1.49	0.59	2.06	34.6	2.90	1.16	3.30	3.47	6.51	2.86
MAX	0.93	1.9	3.4	1.7	20	115	5.9	3.5	6.6	8.2	10	7.5
MIN	0.24	0.62	1.1	0.34	0.26	1.9	0.96	0.57	0.84	0.43	2.4	0.11
AC-FT	36	58	92	36	115	2130	172	71	196	213	400	170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

MEAN	5.72	5.30	20.5	12.9	29.5	43.1	18.6	7.20	5.97	5.55	5.42	4.51
MAX	57.4	54.3	285	200	225	189	197	72.0	13.2	10.8	20.1	18.5
(WY)	1985	1979	1985	1993	1980	1978	1973	1973	1992	1987	1988	1988
MIN	0.58	0.20	0.20	0.10	0.19	0.63	0.97	1.16	1.82	1.07	1.17	0.59
(WY)	2003	2002	1965	1971	1964	2000	1957	2003	1990	1996	2001	2000

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1954 - 2003

ANNUAL TOTAL	490.88		1858.87									
ANNUAL MEAN	1.34		5.09									
HIGHEST ANNUAL MEAN										13.6		
LOWEST ANNUAL MEAN										56.8	1985	
HIGHEST DAILY MEAN	6.5	Sep 11		115	Mar 17		3520	Dec 18	1978	1.19	2002	
LOWEST DAILY MEAN	0.11	Feb 25		0.11	Sep 16		0.00	Feb 14	1954			
ANNUAL SEVEN-DAY MINIMUM	0.17	Feb 22		0.28	Oct 12		0.00	Dec 10	1964			
ANNUAL RUNOFF (AC-FT)	974		3690				9870					
10 PERCENT EXCEEDS	2.5		8.0				19					
50 PERCENT EXCEEDS	1.1		1.4				4.2					
90 PERCENT EXCEEDS	0.27		0.44				0.69					

e Estimated